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NOTICE OF ALLOWANCE AND FEE(S) DUE

23552

7590

10/18/2010

MERCHANT & GOULD PC P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903 EXAMINER

SINGH, PREM C

ART UNIT PAPER NUMBER

DATE MAILED: 10/18/2010

APPLICATION NO.	FILING DATE			CONFIRMATION NO.	
10/597.734	04/26/2007	Olav Ellingsen	09663.0080USWO	5502	

TITLE OF INVENTION: LOW TEMPERATURE THERMODYNAMIC CRACKING AND CONVERSION FOR UPGRADING OF HEAVY OILS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	01/18/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	ed below or directed oth	ng the Patent, advance of nerwise in Block 1, by (a	rders and notification a) specifying a new c	of m orres	naintenance fees w pondence address;	ill be and/or	mailed to the current (b) indicating a sepa	corre	espondence address as "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailin Fee(s) Transmittal. This certificate cannot be used for any other accorpapers. Each additional paper, such as an assignment or formal draw have its own certificate of mailing or transmission.				v other accompanying	
MERCHANT P.O. BOX 2903 MINNEAPOLIS		/2010		State	eby certify that thes Postal Service we essed to the Mail	is Fee(s tith suf Stop	ficient postage for firs	g depo st clas abov	osited with the United as mail in an envelope be, or being facsimile
									(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CC	ONFIRMATION NO.
10/597,734 TITLE OF INVENTION	04/26/2007 I: LOW TEMPERATUR	E THERMODYNAMIC	Olav Ellingsen CRACKING AND CO	ONVI	ERSION FOR UPO		663.0080USWO NG OF HEAVY OIL:	S	5502
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUI	E FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	YES	\$755	\$300		\$0		\$1055		01/18/2011
EXAM	MINER	ART UNIT	CLASS-SUBCLASS	S					
SINGH,	PREM C	1771	208-126000						
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA	" Indication form	data will appear on t	rnativesingles or a strong lattor lat	rely, e firm (having as a gent) and the nam- neys or agents. If printed. e) etent. If an assign	memb es of uj no nam	er a 2 p to e is 3	ocum	ent has been filed for
4a. The following fee(s) Issue Fee	riate assignee category or		(B) RESIDENCE: (Continued on the patent): D. Payment of Fee(s): (Continued on the patent): A check is enclosed Payment by credit	(Pleased.	Individual	orporati ny prev	on or other private gro		•
Advance Order -	# of Copies	·	The Director is he	ereby	authorized to char	ge the i	required fee(s), any de (enclose a	ficier n exti	ncy, or credit any ca copy of this form).
5. Change in Entity Sta a. Applicant claim	tus (from status indicated as SMALL ENTITY state		☐ b. Applicant is no	o long	ger claiming SMAI	LL ENT	ΓΙΤΥ status. See 37 CI	FR 1.	27(g)(2).
NOTE: The Issue Fee an	d Publication Fee (if req	uired) will not be accepte ites Patent and Trademark	d from anyone other th						
Authorized Signature					Date				
Typed or printed name			Registration No.						
an application. Confiden	tiality is governed by 35 dapplication form to the ions for reducing this bu. Virginia 22313-1450. DC	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR	1.14. This collection in depending upon the i	is esti indiv	imated to take 12 r idual case. Anv co	ninutes mment	to complete, including on the amount of time	ig gat me vo	hering, preparing, and ou require to complete

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

OMB 0651-0033

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION		
10/597,734	04/26/2007	Olav Ellingsen	09663.0080USWO	5502	
23552	7590 10/18/2010		EXAM	INER	
MERCHANT &	GOULD PC		SINGH,	PREM C	
P.O. BOX 2903			ART UNIT	PAPER NUMBER	
MINNEAPOLIS, MN 55402-0903			1771		
		DATE MAILED: 10/18/2010			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/597,734	ELLINGSEN, OLAV	
Notice of Allowability	Examiner	Art Unit	
	PREM C. SINGH	1771	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS Is herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	pears on the cover sheet wi S (OR REMAINS) CLOSED in 5) or other appropriate commi RIGHTS. This application is s	n this application. If not included unication will be mailed in due course.	
1. This communication is responsive to <u>08/04/2010</u> .			
2. ☑ The allowed claim(s) is/are <u>1-8 and 10-20</u> .			
3. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Copies of the certified copies of the priority documents have 1. Certified copies of the certified copies of the priority documents have 1. Certified copies of t	we been received. we been received in Application locuments have been received of this communication to file lMENT of this application. mitted. Note the attached EXA ves reason(s) why the oath o	on No Id in this national stage application from a reply complying with the requireme AMINER'S AMENDMENT or NOTICE	nts
5. CORRECTED DRAWINGS (as "replacement sheets") m		(PTO 040) //	
(a) ☐ including changes required by the Notice of Draftspe1) ☐ hereto or 2) ☐ to Paper No./Mail Date		w (PTO-948) attached	
(b) ☐ including changes required by the attached Examine Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in 6. ☐ DEPOSIT OF and/or INFORMATION about the depattached Examiner's comment regarding REQUIREMEN	r's Amendment / Comment on the header according to 37 CF	he drawings in the front (not the back) o R 1.121(d). ERIAL must be submitted. Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 08/04/2010 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material) 6. ☐ Interview S Paper No. 7. ☐ Examiner's	formal Patent Application ummary (PTO-413), 'Mail Date Amendment/Comment Statement of Reasons for Allowance 	
Examiner, Art Unit 1771			

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 08/04/2010 has been entered.

Claims Allowed

The following is an examiner's statement of reasons for allowance:

Examiner's statement of reasons for allowance communicated in the Office action dated: 05/14/2010 does not change.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PREM C. SINGH whose telephone number is (571)272-6381. The examiner can normally be reached on 7:00 AM to 3:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on 571-272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PS 101410

/PREM C SINGH/ Examiner, Art Unit 1771